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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/088,148	06/24/2002	Kiyokazu Ikeda		9928

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EXAMINER

TESLOVICH, TAMARA

ART UNIT	PAPER NUMBER
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2137

DATE MAILED: 04/03/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/088,148

Applicant(s)

IKEDA, KIYOKAZU

Examiner

Tamara Teslovich

Art Unit

2137

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 09 January 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-16 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-16 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |   |   |
|---|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)                        | 4) <input type="checkbox"/> Interview Summary (PTO-413)                     |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)    | Paper No(s)/Mail Date: _____  |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date: _____  | 6) <input type="checkbox"/> Other: _____                                    |

### **DETAILED ACTION**

This office action is in response to Applicant's Remarks and Amendments filed January 9, 2006.

Claims 1-6 and 9 are amended.

Claims 1-16 are herein considered.

#### ***Response to Arguments and Amendments***

The Applicant's amendments to independent claims 1-6 and 9 are herein considered but fail to render the claims allowable over the available prior art, namely Ohta et al.

As a result, the Examiner's 35 U.S.C. 102(b) rejections of claims 1-16 stand as presented in the previous office action, amended below to include the Applicant's newly added limitations.

#### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

**Claims 1-16 are rejected under 35 U.S.C. 102(b) as being anticipated by US Patent No. 5,025,261 by Ohta et al.**

Regarding claim 1, Ohta discloses a service providing system, including, at least, a plurality of electronic appliances, a service server, and a communication network, each electronic appliance being equipped with a wireless communication terminal function, being mounted in a moving body, and being assigned a unique device ID, and the service server having a function for providing a predetermined service and storing said unique device ID (col.3 lines 40-56) for each electronic appliance to which service can be provided the service providing system comprising registration means for registering said unique device ID assigned to each electronic appliance (col.7 lines 17-36; col.7 line 65 thru col.8 line 16) and transmission means for using said unique device ID to provide access, the communication network, from the service server to a specified electronic appliance to which a specified service needs to be provided and transmitting service information, which has a predetermined content for realizing the specified service, to the specified electronic appliance (col.2 lines 11-37).

Regarding claim 2, Ohta discloses a service providing system, including, at least, a plurality of electronic appliances, a service server, and a communication network, each electronic appliance being equipped with a wireless communication terminal function, being mounted in a moving body, and being assigned a unique device ID, and the service server having a function for providing a predetermined service and storing said unique device ID (col.3 lines 40-56) for each electronic appliance to which services can be provided, the service providing system comprising registration means for registering said unique device ID assigned to each electronic appliance (col.7 lines 17-36; col.7 line 65 thru col.8 line 16) , and first transmission means for providing access,

Art Unit: 2137

via said communication network, from one of said electronic appliances to said service server and transmitting information which has a predetermined content that can be used by a specified service from said electronic appliance to said service server; and second transmission means for using said unique device ID to provide access, via said communication network, from said service server to a specified electronic appliance to which a specified service needs to be provided and transmitting service information, which has a predetermined content for realizing the specified service, to the specified electronic appliance (col.2 lines 11-37).

Regarding claim 3, Ohta discloses a service providing system, including, at least, a plurality of electronic appliances, a plurality of mobile communication terminal apparatuses, and a communication network, each electronic appliance being equipped with a wireless communication terminal function, being mounted in a moving body, and being assigned a unique device ID, and each mobile communication terminal (portable telephone base station) apparatus being assigned a unique terminal ID (col.3 lines 40-56), the service providing system comprising registration means for registering said unique device ID assigned to each electronic appliance (col.7 lines 17-36; col.7 line 65 thru col.8 line 16) and transmission means for using said unique device ID to provide access, via said communication network, from one of said mobile communication terminal apparatuses to a specified electronic appliance, and transmitting service information, which includes a predetermined content for realizing a specified service to be provided, to the specified electronic appliance (col.2 lines 11-37).

Regarding claim 4, Ohta discloses a service providing system including, at least, a plurality of electronic appliances, a plurality of mobile communication terminal apparatuses, and a communication network, each electronic appliance being equipped with a wireless communication terminal function, being mounted in a moving body and being assigned a unique device ID, and each mobile communication terminal apparatus being assigned a unique terminal ID (col.3 lines 40-56), the service providing system comprising registration means for registering said unique device ID assigned to each electronic appliance (col.7 lines 17-36; col.7 line 65 thru col.8 line 16) and first transmission means for providing access, via the communication network, from one of said electronic appliances to one of the mobile communication terminal apparatuses and transmitting information, which has predetermined content that can be used by a specified service, from the one of said electronic appliances to said one of the mobile communication terminal apparatuses; and second transmission means for using said unique device ID to provide access, via said communication network, from one of said mobile communication terminal apparatuses to a specified electronic appliance and transmitting service information, which has a predetermined content for realizing a specified service, to the specified electronic appliance (col.2 lines 11-37).

Regarding claim 5, Ohta discloses a service providing system, composed of an electronic appliance, a communication network, a communication terminal apparatus, and an authentication server, the electronic appliance being one of an electronic appliance that mounted in a moving body and is equipped with a mobile communication terminal function and a mobile communication terminal apparatus with a fixed access

Art Unit: 2137

path to the communication network (col.2 lines 11-37), and the authentication server being connected to said communication network, the service providing system comprising; access means that enables the communication terminal apparatus to access the electronic appliance via the communication network using a device ID has been assigned uniquely to the electronic appliance, the communication terminal apparatus accessing the electronic appliance only through the authentication server; terminal ID generating means, provided on said communication network, for generating a terminal ID for said communication terminal apparatus using information that identifies said fixed access path by which said communication terminal apparatus accesses said communication network; registration means for registering said unique device ID assigned to each electronic appliance (col.7 lines 17-36; col.7 line 65 thru col.8 line 16); authentication process means provided in said authentication server, for using said terminal ID to perform an authentication process for said communication terminal apparatus that has accessed the authentication server and allowing said communication terminal apparatus to access said electronic appliance only when the communication terminal apparatus has been authenticated; and transmission/reception means for receiving and transmitting service information, which has a predetermined content for realizing a specified service, between said communication terminal apparatus that has been authenticated by said authentication process means and said electronic appliance (col.4 lines 18-26).

Regarding claim 6, Ohta discloses a communication system where data communication is performed between a plurality of communication appliances via a

Art Unit: 2137

network, the communication system comprising a plurality of electronic appliances, each equipped with a wireless communication function and having a unique device ID for identifying the electronic appliance, registration means for registering said unique device ID assigned to each electronic appliance (col.7 lines 17-36; col.7 line 65 thru col.8 line 16), a wireless communication apparatus for connecting to said network and performing wireless communication that specifies one of the electronic appliances using said unique device ID (col.3 lines 40-56); and an authentication apparatus connected to said network and including group information for each of a plurality of groups of said electronic appliances to which unrestricted data communication can be performed, the group information being associated with the unique device IDs of the electronic appliances in the group, the authentication apparatus judging whether unrestricted data communication can be performed, based on the unique device ID of a electronic appliance and the group information, and controlling the wireless communication apparatus (col.2 lines 11-37; col.6 lines 51-63).

Regarding claim 7, Ohta discloses wherein said electronic appliance comprises a first electronic appliance, said unique device ID comprises a first unique device ID, and said wireless communication function comprises a first wireless communication function, further comprising a plurality of second electronic appliances, each of which having a second wireless communication function and a second unique device ID and a communication apparatus for communicating with one of said second electronic appliances and connecting to said network, receiving said second unique device ID from said second electronic appliance, and transmitting to said authentication apparatus



Art Unit: 2137

a communication means ID that specifies communication means that is communicating with said second electronic appliance and further transmitting to said authentication apparatus said received second ID (col.6 lines 6-23, 51-63; col.7 line 50 thru col.8 line 23).

Regarding claim 8, Ohta discloses wherein the group information provided in said authentication apparatus further controls said second electronic appliance by associating each of said second unique device IDs of the second electronic appliances with said communication means ID (col.6 lines 60-62).

Regarding claim 9, Ohta discloses a communication apparatus for controlling communication between a plurality of electronic appliances, each electronic appliance being connected to a network, being provided with a unique device ID (col.3 lines 40-56) for identifying the electronic appliance, and being capable of transmission, the communication apparatus comprising communication means for communicating with another communication apparatus via said network; storage means for storing group information in which the plurality electronic appliances, which are permitted to communicate between themselves after the communication is authenticated, are registered as a group; registration means for registering said unique device ID assigned to each electronic appliance (col.7 lines 17-36; col.7 line 65 thru col.8 line 16); judgment means for judging, based on unique device IDs transmitted via the network before communication commences between said plurality electronic appliances and group information stored in said storage means, whether the communication is permitted; control means for having said communication means transmit a result

Art Unit: 2137

judgment means to an exchange apparatus that is connected to said network and performs an exchange process for communication between electronic appliances based on the transmitted unique device IDs (col.2 lines 11-37; col.6 lines 51-63).

Regarding claim 10, Ohta discloses wherein a wireless communication is performed between said electronic appliances and the exchange apparatus (col.6 lines 51-63).

Regarding claim 11, Ohta discloses wherein said electronic appliances are navigation apparatuses (Abstract; col.2 lines 11-37).

Regarding claim 12, Ohta discloses wherein the electronic appliances are mobile telephones (col.4 lines 18-26).

Regarding claim 13, Ohta discloses wherein each of said electronic appliances is connected to said communication means in said exchange apparatus, and when communicating, each of said electronic appliances transmits said unique device ID to said communication apparatus, said exchange apparatus transmits a communication means ID for specifying said communication means to said communication apparatus, said communication apparatus authenticates said electronic appliance based on said group information, by referring combination of said transmitted unique device ID and said transmitted communication means ID (col.2 lines 11-37; col.6 lines 51-63).

Regarding claim 14, Ohta discloses wherein the group information is generated when an electronic appliance communicates with the communication apparatus via the network (col.2 lines 11-37; col.6 lines 51-63).

Regarding claim 15, Ohta discloses wherein the group information also includes content data that can be used by the electronic appliances which are registered in the group information (col.2 lines 11-37; col.6 lines 51-63).

Regarding claim 16, Ohta discloses wherein the content data is geographical information (col.2 lines 11-37; col.6 lines 51-63).

### ***Conclusion***

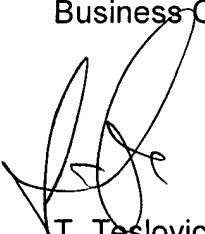
Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tamara Teslovich whose telephone number is (571) 272-4241. The examiner can normally be reached on Mon-Fri 8-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Emmanuel Moise can be reached on (571) 272-3865. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



T. Teslovich  
March 28, 2006



EMMANUEL L. MOISE  
SUPERVISORY PATENT EXAMINER